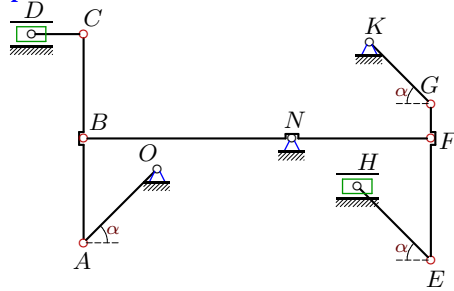




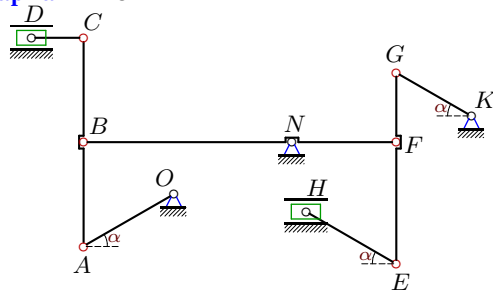


**Вариант 9**



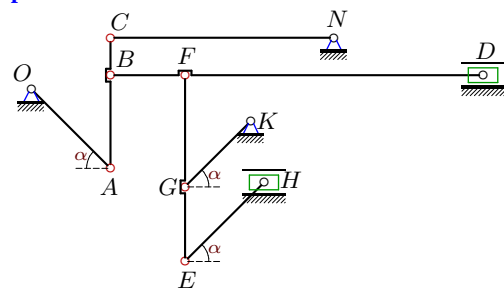
$\omega_{OA} = 9 \text{ рад/с,}$   
 $\alpha = 45^\circ,$   
 $AB = 30, BC = 30,$   
 $NB = 60, NF = 40,$   
 $CD = 15, EH = 30,$   
 $FE = 35, FG = 10,$   
 $OA = 30, KG = 25.$

**Вариант 10**



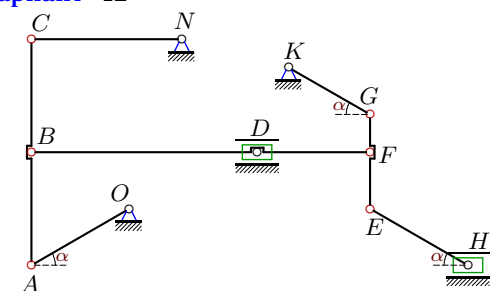
$\omega_{KG} = 10 \text{ рад/с,}$   
 $\alpha = 30^\circ,$   
 $AB = 30, BC = 30,$   
 $NB = 60, NF = 30,$   
 $CD = 15, EH = 30,$   
 $FE = 35, FG = 20,$   
 $OA = 30, KG = 25.$

**Вариант 11**



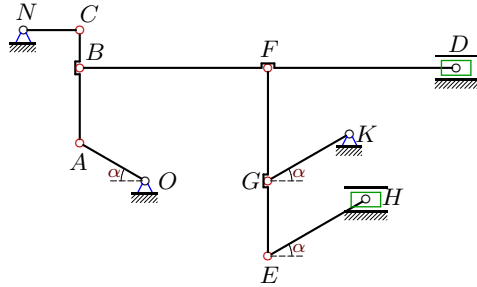
$\omega_{NC} = 11 \text{ рад/с,}$   
 $\alpha = 45^\circ,$   
 $AB = 25, BC = 10,$   
 $BF = 20, FD = 80,$   
 $NC = 60, EH = 30,$   
 $FE = 50, FG = 30,$   
 $OA = 30, KG = 25.$

**Вариант 12**



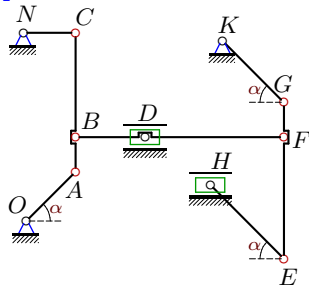
$\omega_{OA} = 12 \text{ рад/с,}$   
 $\alpha = 30^\circ,$   
 $AB = 30, BC = 30,$   
 $DB = 60, DF = 30,$   
 $NC = 40, EH = 30,$   
 $FE = 15, FG = 10,$   
 $OA = 30, KG = 25.$

**Вариант 13**



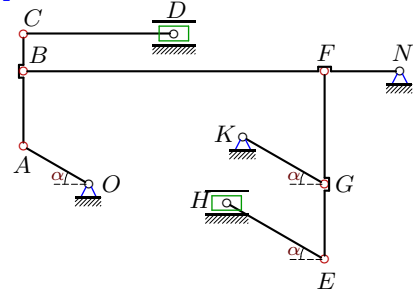
$\omega_{OA} = 13 \text{ рад/с,}$   
 $\alpha = 30^\circ,$   
 $AB = 20, BC = 10,$   
 $BF = 50, FD = 50,$   
 $NC = 15, EH = 30,$   
 $FE = 50, FG = 30,$   
 $OA = 20, KG = 25.$

**Вариант 14**



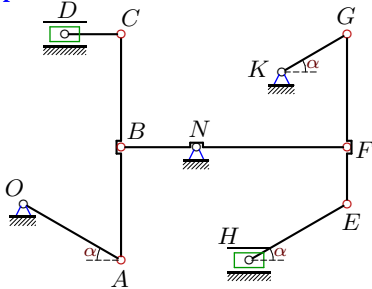
$\omega_{NC} = 14 \text{ рад/с,}$   
 $\alpha = 45^\circ,$   
 $AB = 10, BC = 30,$   
 $DB = 20, DF = 40,$   
 $NC = 15, EH = 30,$   
 $FE = 35, FG = 10,$   
 $OA = 20, KG = 25.$

**Вариант 15**



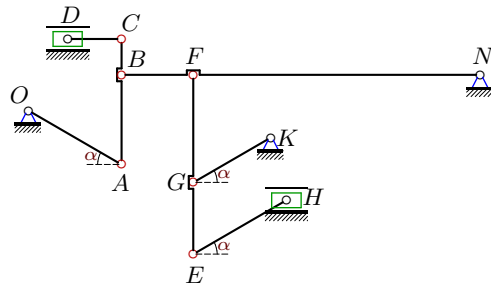
$\omega_{KG} = 15 \text{ рад/с,}$   
 $\alpha = 30^\circ,$   
 $AB = 20, BC = 10,$   
 $BF = 80, NF = 20,$   
 $CD = 40, EH = 30,$   
 $FG = 30, GE = 20,$   
 $OA = 20, KG = 25.$

**Вариант 16**



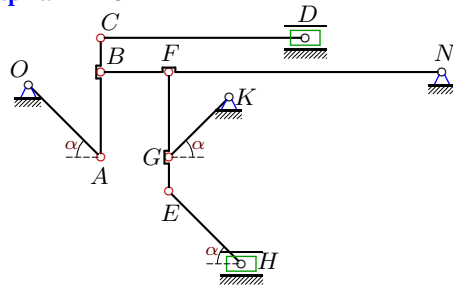
$\omega_{KG} = 16 \text{ рад/с,}$   
 $\alpha = 30^\circ,$   
 $AB = 30, BC = 30,$   
 $NB = 20, NF = 40,$   
 $CD = 15, EH = 30,$   
 $FE = 15, FG = 30,$   
 $OA = 30, KG = 20.$

**Вариант 17**



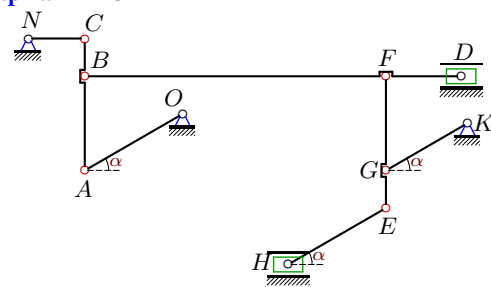
$\omega_{KG} = 17$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 25, BC = 10,$   
 $BF = 20, NF = 80,$   
 $CD = 15, EH = 30,$   
 $FG = 30, GE = 20,$   
 $OA = 30, KG = 25.$

**Вариант 18**



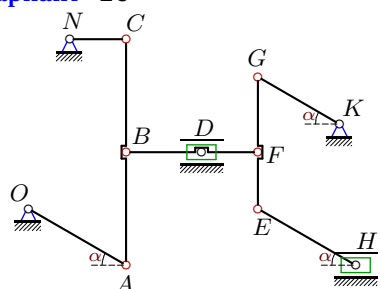
$\omega_{KG} = 18$  рад/с,  
 $\alpha = 45^\circ$ ,  
 $AB = 25, BC = 10,$   
 $BF = 20, NF = 80,$   
 $CD = 60, EH = 30,$   
 $FG = 25, GE = 10,$   
 $OA = 30, KG = 25.$

**Вариант 19**



$\omega_{NC} = 19$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 25, BC = 10,$   
 $BF = 80, FD = 20,$   
 $NC = 15, EH = 30,$   
 $FE = 35, FG = 25,$   
 $OA = 30, KG = 25.$

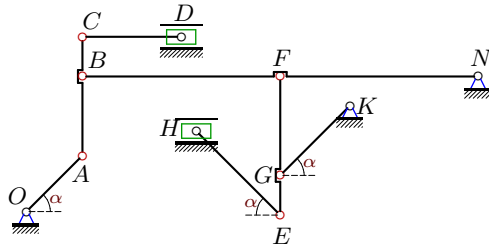
**Вариант 20**



$\omega_{OA} = 20$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 30, BC = 30,$   
 $DB = 20, DF = 15,$   
 $NC = 15, EH = 30,$   
 $FE = 15, FG = 20,$   
 $OA = 30, KG = 25.$

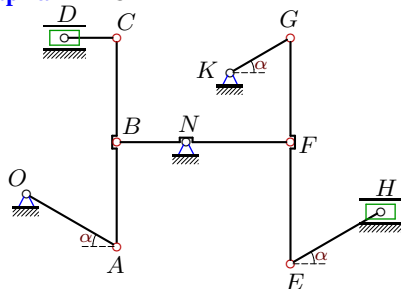


**Вариант 25**



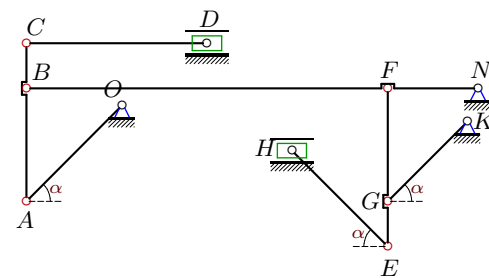
$\omega_{KG} = 25$  рад/с,  
 $\alpha = 45^\circ$ ,  
 $AB = 20, BC = 10,$   
 $BF = 50, NF = 50,$   
 $CD = 25, EH = 30,$   
 $FG = 25, GE = 10,$   
 $OA = 20, KG = 25.$

**Вариант 26**



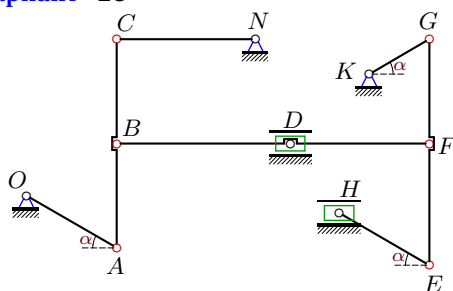
$\omega_{BF} = 26$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 30, BC = 30,$   
 $NB = 20, NF = 30,$   
 $CD = 15, EH = 30,$   
 $FE = 35, FG = 30,$   
 $OA = 30, KG = 20.$

**Вариант 27**



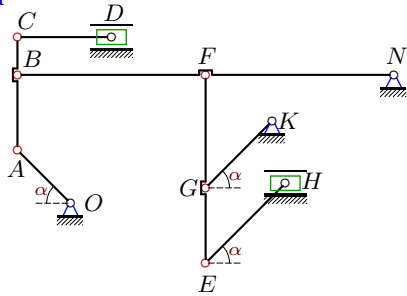
$\omega_{NB} = 27$  рад/с,  
 $\alpha = 45^\circ$ ,  
 $AB = 25, BC = 10,$   
 $BF = 80, NF = 20,$   
 $CD = 40, EH = 30,$   
 $FG = 25, GE = 10,$   
 $OA = 30, KG = 25.$

**Вариант 28**



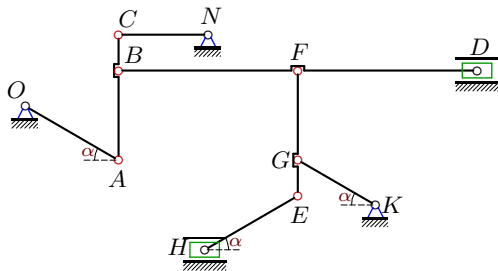
$\omega_{OA} = 28$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 30, BC = 30,$   
 $DB = 50, DF = 40,$   
 $NC = 40, EH = 30,$   
 $FE = 35, FG = 30,$   
 $OA = 30, KG = 20.$

**Вариант 29**



$\omega_{KG} = 29$  рад/с,  
 $\alpha = 45^\circ$ ,  
 $AB = 20$ ,  $BC = 10$ ,  
 $BF = 50$ ,  $NF = 50$ ,  
 $CD = 25$ ,  $EH = 30$ ,  
 $FG = 30$ ,  $GE = 20$ ,  
 $OA = 20$ ,  $KG = 25$ .

**Вариант 30**



$\omega_{OA} = 30$  рад/с,  
 $\alpha = 30^\circ$ ,  
 $AB = 25$ ,  $BC = 10$ ,  
 $BF = 50$ ,  $FD = 50$ ,  
 $NC = 25$ ,  $EH = 30$ ,  
 $FE = 35$ ,  $FG = 25$ ,  
 $OA = 30$ ,  $KG = 25$ .



Ответы

	$v_A$	$v_B$	$v_C$	$v_D$	$v_E$	$v_F$	$v_G$	$v_H$
1	30.000	27.042	25.981	7.500	28.174	15.000	15.000	32.500
2	40.000	34.641	69.282	60.000	20.883	17.321	20.000	21.667
3	60.000	51.962	103.923	90.000	103.108	77.942	90.000	112.500
4	92.376	80.000	92.376	46.188	65.383	60.000	69.282	60.622
5	150.000	129.904	150.000	75.000	212.339	194.856	225.000	28.125
6	120.000	105.830	103.923	20.000	102.062	85.510	96.000	107.200
7	210.000	148.492	159.931	59.397	127.738	74.246	105.000	29.698
8	240.000	216.333	207.846	60.000	120.000	120.000	120.000	0.000
9	270.000	190.919	270.000	190.919	463.303	127.279	180.000	572.756
10	500.000	433.013	500.000	250.000	307.777	216.506	250.000	343.750
11	933.381	686.410	660.000	188.571	1135.890	560.663	746.705	477.714
12	360.000	324.500	311.769	90.000	180.000	180.000	180.000	0.000
13	260.000	229.298	225.167	43.333	177.496	120.635	130.000	72.222
14	296.985	262.500	210.000	157.500	869.426	448.560	593.970	1181.250
15	1875.000	1623.798	1690.102	468.750	450.694	324.760	375.000	125.000
16	160.000	138.564	160.000	80.000	288.444	277.128	320.000	240.000
17	531.250	460.076	472.185	106.250	510.786	368.061	425.000	141.667
18	562.500	397.748	428.387	159.099	547.449	318.198	450.000	763.675
19	329.090	288.852	285.000	47.013	63.186	73.886	65.818	5.642
20	600.000	540.833	519.615	150.000	581.250	417.582	450.000	656.250
21	1050.000	742.462	830.098	371.231	721.543	371.231	525.000	247.487
22	440.000	381.051	762.102	660.000	103.810	95.263	110.000	96.250
23	690.000	545.493	487.904	243.952	2291.719	1005.839	1380.000	1097.783
24	1385.641	1200.000	1385.641	692.820	952.470	720.000	831.384	1039.230
25	1250.000	883.883	988.212	441.942	760.345	441.942	625.000	1060.660
26	600.444	520.000	600.444	300.222	940.443	780.000	900.666	975.722
27	3818.377	2700.000	2907.989	1080.000	929.051	540.000	763.675	1296.000
28	840.000	757.166	727.461	210.000	585.369	618.699	672.000	399.000
29	1450.000	1025.305	1146.326	512.652	996.417	512.652	725.000	341.768
30	900.000	789.956	779.423	128.571	470.473	410.373	450.000	488.571